



Opportunities for Collaboration for DoD partners

ADL Research and Evaluation Team

ADL Co-Lab Hub

11/2009





About ADL

- **Advanced Distributed Learning (ADL) Initiative**
 - Founded in 1997 to standardize and modernize delivery of training and education in the U.S. Department of Defense (DoD)
 - Develop and implement learning technologies across the DoD and federal government
 - Collaborate with government, industry, and academia to promote international specifications and standards for designing and delivering learning content
 - Operate under the direction of the DoD Office of the Under Secretary of Defense for Personnel and Readiness (OUSD P&R)





Research and Evaluation Team

- Research & Evaluation Goal
 - Showcase the achievements of our partners in DoD who are implementing or using ADL's technologies
- Who We Are
 - Psychological, educational, and technical staff
 - Examine the impact of Distributed Learning (DL)
 - Engage in collegial collaboration with the Services





Areas We Examine

- How does DL generate efficiencies?
 - Have you reused others' courses or content?
 - Has DL lowered training administration costs?
 - Do ADL standards encourage more competitive bids?

- Does DL broaden access to training?
 - Has “anytime, anywhere” training become a reality?
 - Has online distribution broadened your audience?
 - E.g. via inter-agency and international cooperation





Areas We Examine (cont'd)

- Has DL increased learning opportunities?
 - Have you developed just-in-time job aids?
 - Can courses be reviewed for refresher training?
 - Have you incorporated games or simulations?
- Do you employ blended learning?
 - Do you use DL as a prerequisite for classroom training?
- How have you worked with the ADL Initiative?
 - Do you use the ADL Registry?



- Potential data sources
 - Anecdotal data
 - LMS system log data
 - Outcome data, e.g. survey results, test scores
 - Acquisition and development data
- Our abilities
 - Conduct data mining and statistical analysis
 - Place results in educational/psychological context
 - Author reports and presentations
 - Promote your efforts/outcomes within and beyond DoD



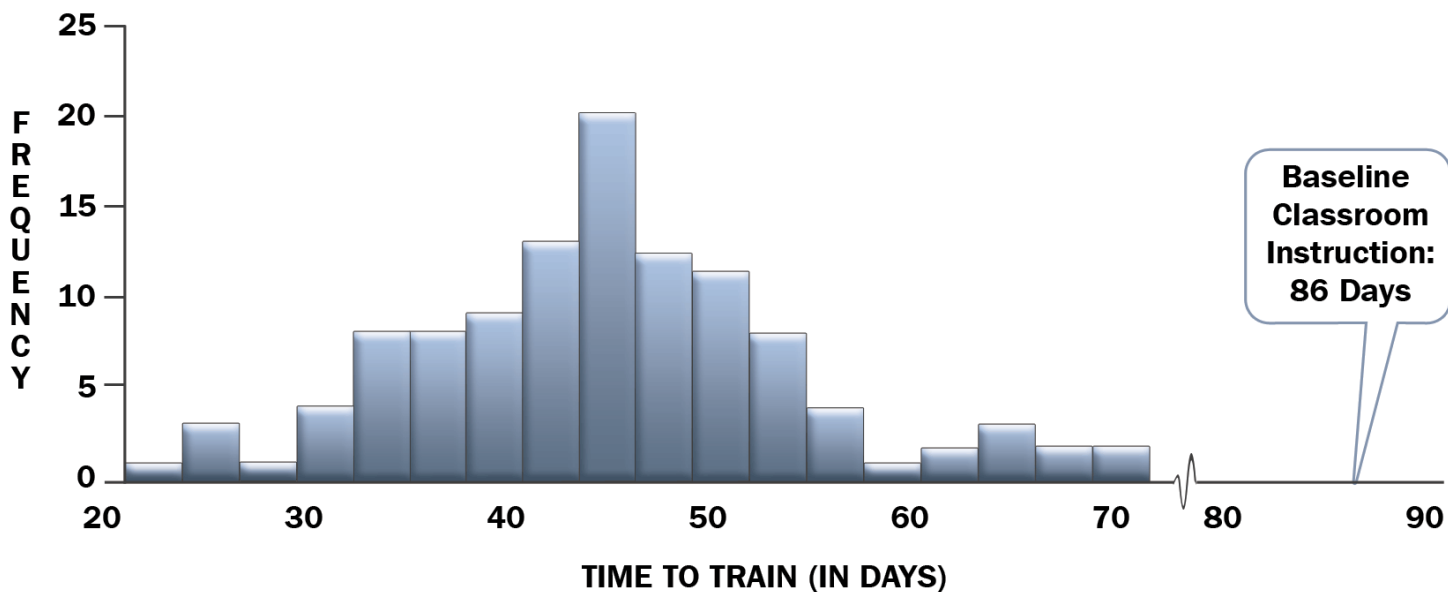


Past Case Studies

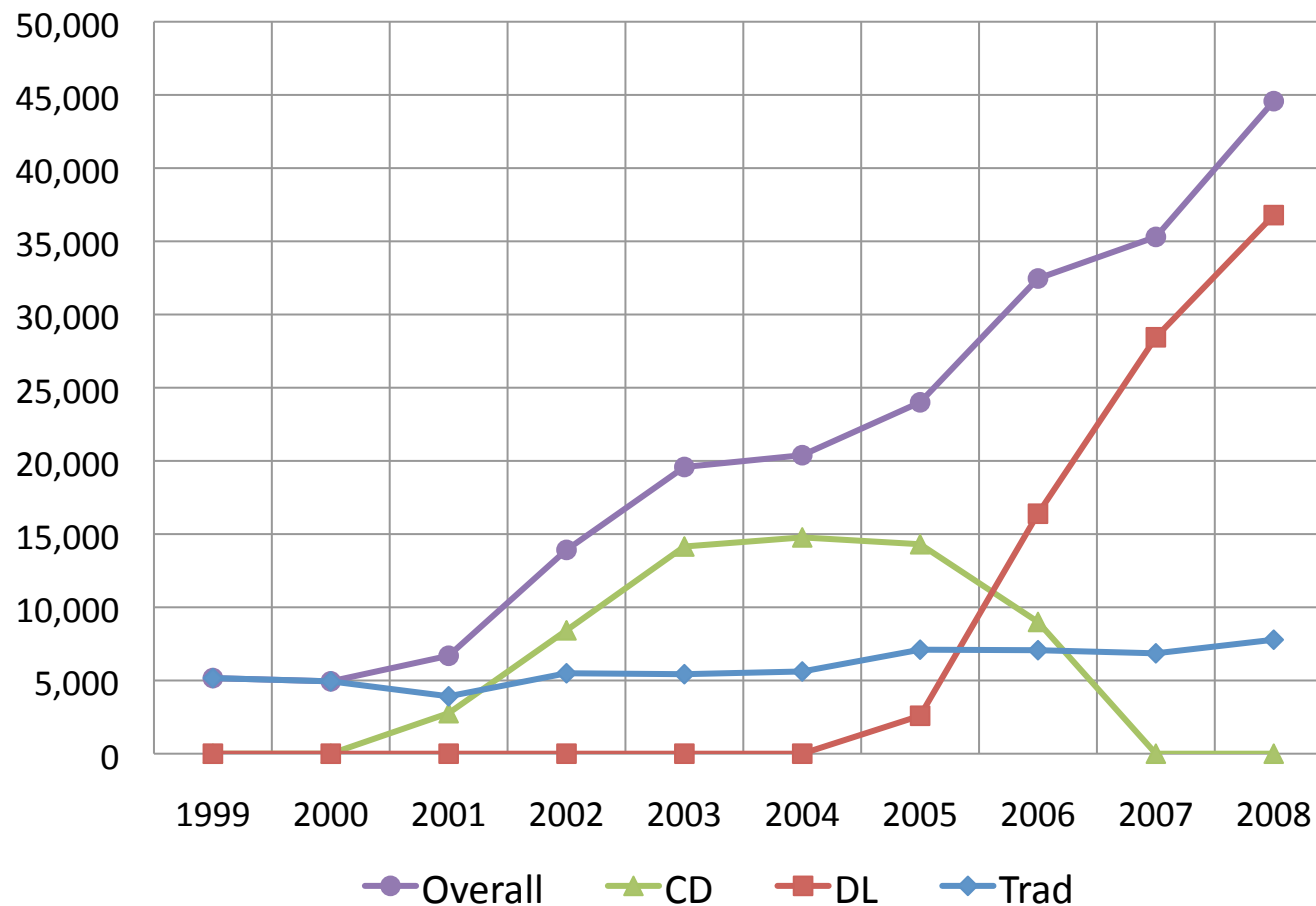


U.S. Navy: Time to Train

- Examined time spent in self-paced training
 - Classroom time was 86 days (baseline)
 - Average time in web-based training (WBT) was 45 days—a 48% reduction
 - Time in training did not predict knowledge levels



■ Defense Ammunition Center growth in throughput



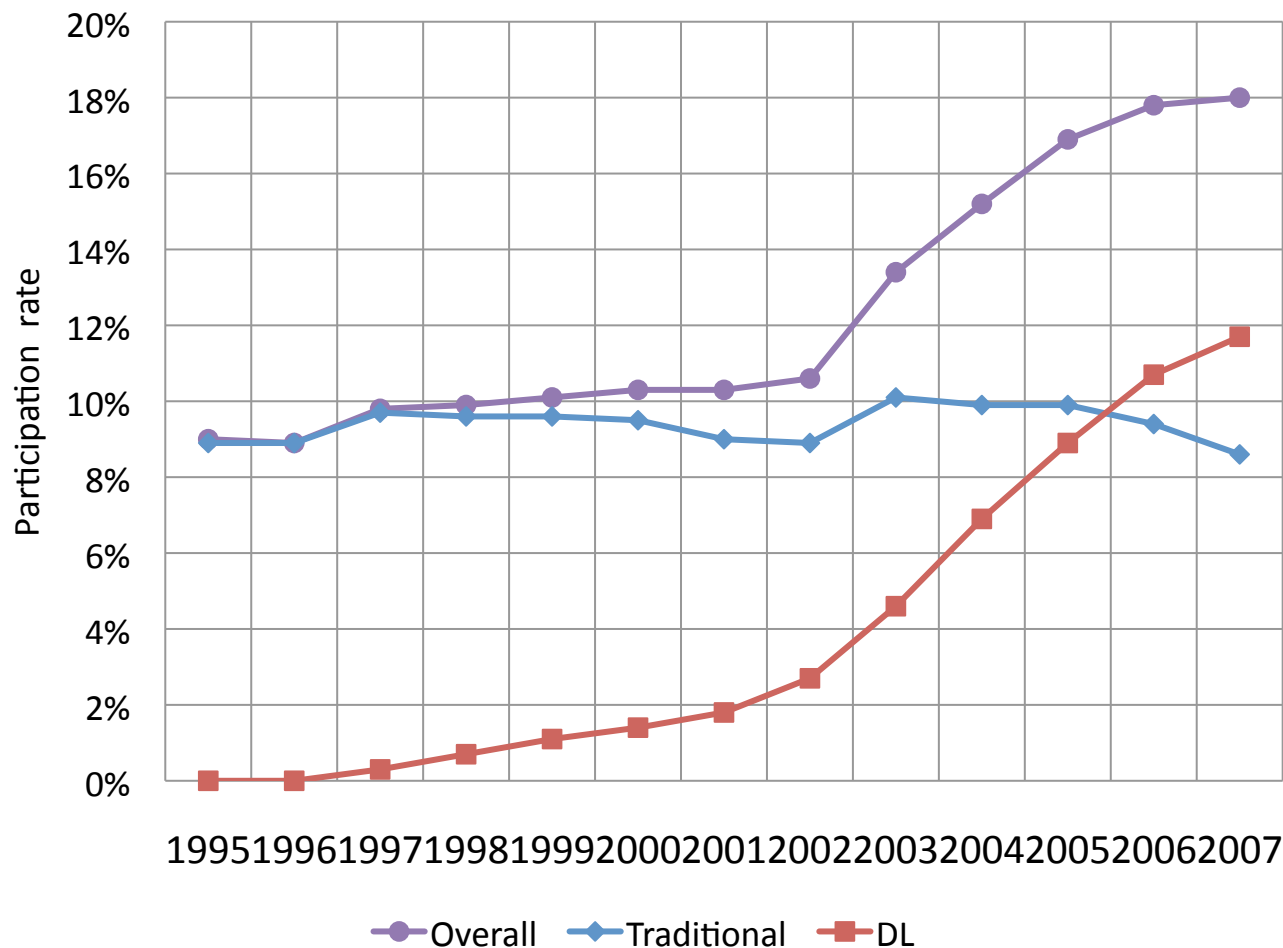
- Increase number trained by 800% (1999-2008)





Navy Tuition Assistance

■ Participation rates per year



- Participation is voluntary
- Growth in overall participation is due to increase in DL
- Re-enlistment & contract extension rates increased by 8%, compared to non-participants (~3,500 additional sailors).



Our Workflow

Identification & planning

- Examine DoD partner's data
- Ensure analyses are of mutual interest

Utilization

- Present to management (ADL + DoD partner)
- (Optional) Wider publicity (ADL + industry outlets)

Analysis

- Integrate DoD partner's data sources
- Perform statistical modeling

Authoring

- Decide output formats
- Provide context
- DoD partner vets results



Conclusion

- Opportunity to collaborate
 - Bring focus to your experiences with DL
- Interested in finding “success stories” that emphasize DL’s benefits
 - ...without dismissing traditional instruction
- Goal is to showcase your achievements in implementing or using ADL’s technologies





Questions or Comments?

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